

Nº

ApI. 26th 1893

to

July 12th 1893.

H.Y.A. 3240 to 3281

D: 3477 to 3481.

1572

203

5023

1512

3511

99.6

30

130.8

~~4820
645
4175~~

~~406 x 7.413
106/ 4/3
300. 16/9~~

54-55

160-42

~~10.42
10.54~~

~~585
350
285~~

~~13
10
300
310~~

~~30.
215.42
26.04
21.62
21.62
30.20~~

~~10.2
10.4
10.6~~

37

1+1⁰²

$$\begin{array}{r} 37 \\ - 1 \\ \hline 33 \\ - 3 \\ \hline 3 \\ - 2 \\ \hline 1 \\ - 1 \\ \hline 0 \end{array}$$

Hyd 3240. }
D: - 3477. } Next nos.

Large Mach. - Sigsbee
Small. Tanner.

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

~~W.C. 3.~~ 36° 50' - 121° 59' - 45° 11'

No. D-3477. Date April 26, 1893.
Tanner Machine. — Reel.

Turns 77 Cor. + 3 Depth 80 fms -

Shot or lead 25 lbs.

Bottom sky - ?

Bottom temperature 46.5°

No. of thermometer 52732 Cor.

Corrected temperature 46.5°

Air 54° Surface 51° Drift —

Trawl or dredge Large Beam -

AM. SOUNDING WIRE.		TURNS.	AM. DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
9-13-45	14-45	0	9-20-45	55-45
14-15	9-14-20	72	26-00	51-30
		200	30-10	48-00
		300	39-15	9-46-45
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Patt. log mark - 41.8

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Drawl not on bottom
nothing in it.

56 - 36-48-15 - 121° 59' 05"

No. Hg^t 3240 - Date April 26-1893 -
Tanner Machine. — Reel.

Turns 756 Cor. + 10 Depth 266 -

Shot or lead 25 lbs.

Bottom Port lead

Bottom temperature Last thermometer

No. of thermometer 52732 Cor.

Corrected temperature —

Air 58° Surface 54° Drift

Trawl or dredge Tanner Intermediate -

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
9-57-40	03-15	0	10-11-15	
58-15	02-15	100	Experimented	
59-00	01-30	200	+ readjusted	
10-00-15	10-00-30	300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Tanner Intermediate -

Towed at all depth of 8 fms on dredge rope at an angle making at which towed 15 fms.	2500 2600 2700 2800 2900 3000 3100 3200 3300 3400 3500 3600 3700 3800 3900 4000	Museum started at struck at -
Few small Crustaceans; Numerous Sagitta; & many Salpæ in lower net. (closed.)	3200 3300 3400 3500 3600 3700 3800 3900 4000	Upper net had a few Salpæ.

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300	560	560	14	4
400	256	256		
500	304	304	10	
600			256	
700	Lost seven (7) turns sounding wire		266	
800				-
900	Thur. 452732			and
1000	One 26# lead			

REMARKS:

Cut off 147 fms. took - bad wire - Rove off new stray-line -

~~607.~~ 36° 44' 45" - 121° 57'

No. D-3478 - Date April 26-1893.
Tanner Machine. — Reel.

Turns 66 Cor. + 2 Depth 68 fms.

Shot or lead 26 lbs.

Bottom gy. S. M.

Bottom temperature —

No. of thermometer 6 Cor. —

Corrected temperature —

Air 56° Surface 53° Drift

Trawl or dredge Large Beam —

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11-10-00	11-30	... 0	11-24-00	55-00
10-30	11-10-40	100	28-15	49-45
		180 200	30-30	11-45 to
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Experiments with Tamm
Ammonia Drift —

Put surface line out over
on bottom at 11:30 —
at 11-44 —
Safas; Sagitta; few
Small Crustaceans.

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

2 Small, grey; 1 pt. shells (6 spm).
 3 Sp. Flounders; few small shrimp.
 1 Red Rock fish. 3 Naked Mollusks.
 3 Shales (R. ja unicoloris)
 2 Sea Urchins; few Worms.
 1 Holothurians - 1/4 pt. Ophiurans.
 6 Various; small w. sp. Bryozoans
 Hydroids.

37° 28' - 123° 00'

No. J-3479 - Date April 1903
Tanner Machine. - Reel.

Turns 277 Cor. + Depth 276 fms

Shot or lead 25

Bottom qn. Mt. fm. S.

Bottom temperature —

No. of thermometer — Cor. —

Corrected temperature —

Air 52 Surface 50 Drift

Trawl or dredge S. 1000

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
34-15	42-10	0	6-10	20-20
42-10	11-15	100	01-3	17-2
11-15	—	200	6-10	11-10
—	6-10-50	300	09-10	11-5
6-10-50	—	400	13-00	00-2
—	—	500	17-2	16-3
—	—	600	20-7	3-1-15
—	—	700	24-15	—
—	—	800	—	7-3-45
—	—	900	—	—
—	—	1000	—	—
—	—	1100	—	—
—	—	1200	—	—
—	—	1300	—	—
—	58-7	1400	—	—
—	—	1500	—	—
—	62-1	1600	—	—
—	—	1700	—	—
—	—	1800	—	—
—	—	1900	—	—
—	—	2000	—	—
—	—	2100	—	—
—	—	2200	—	—
—	—	2300	—	—
—	—	2400	—	—

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	70	1		
50	70	1		
100	70	1		
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Friday Aug 13 Found 13 fms under (34°)
 Red Rock Bank (34°) 1 sponge
 Shallow water 44° Star fish
 off. beach & also few small stars
 In the Sea Urchins (34°) off. M. of
 C. small sponge & some few
 small star fish

307 V.H. 37° 29' - 123° 01' 20"

No. 541 Date Apr. 29, 1912
Sight Machine. 2 Reel. 2

Turns 278 Cor. + 23 Depth 301 fms.

~~shot~~ lead 35 #

Bottom drift of mud

Bottom temperature 41.8

No. of thermometer 62-369 Cor. - 0.1

Corrected temperature 41.7

Air 54 Surface 53 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
8 30 - 50	39	0		
31 - 45	37-45	100		
32 45 - 36-45		200		
33 - 35 - 35 - 12		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		271
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Towed at depth of 120 fms on drapier rope at an angle of marking depth at which towed 100 fms	2500 2600 2700 2800 2900 3000 3100 3200 3300 3400	Turner 8-17-25 5 52-26 Lake-12	Portion 16 - 12 - 14 - 908-115
Lower Bag	3500		
Empty	3600		
Upper Bag:	3700		
Small Sponges, few small Crustaceans	3800 3900		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50		4820	203	
100		278	180	
200		4542	23	
300			278	
400			301	
500				
600				
700				
800				
900				
1000				

REMARKS:

PC

No. 221771 d

Date

Time 5th 18/3.

Machin. #2 Reel. 1000 m.

Turns 1929 Cor. + 135 Depth 2664

Shot or lead 60 lbs.

Bottom gy. oz.

Bottom temperature 35.0 -

No. of thermometer 66,663 Cor. -0.4

Corrected temperature 34.6

Air Surface Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
15-30	25-00-00	0		
15-25	30-00-00	100		
15-20	35-00-00	200		
16-10	40-00-00	300		
16-10	47-00-00	400		
20-10	50-00-00	500		
21-05	55-00-00	600		
22-10	58-00-00	700		
22-15	59-35-00	800		
24-20	52-45-00	900		
25-30	51-50-00	1000		
26-35	50-50-00	1100		
27-40	49-50-00	1200		
27-40	48-50-00	1300		
27-40	47-40-00	1400		
27-45	46-30-00	1500		
28-25	45-30-00	1600		
29-40	44-30-00	1700		
30-05	41-30-00	1800		
30-35	40-00-00	1900		
30-35	1-39-45	1929		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25		48.70	235	19.29
50		<u>19.29</u>	68	13.5
100		28.91	135	20.64
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 3243 Hgt. Date June 6th 18
Plumier Machine. Reel.

Turns 1 Cor. + 2 Depth 59 fms.

Shot or lead 25 lbs

Bottom Gy. S. S.

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
0.01.20	03.20	0		
9.01.45	9.02	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25		400 +	1	
50		347	5	
100		347	2	
200			5	
300			5	
400			5	
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 23 W.H. Hyd Date TIME = 10⁵⁰ -

Machine. — Reel.

Turns 84 Cor. + 3 Depth 87 fms.

Slack or lead 35 ft.

Bottom Soft M.

Bottom temperature —

No. of thermometer — Cor. —

Corrected temperature —

Air Surface Drift —

Trawl or dredge —

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

160

No. 3245 Date June 15

Danner Machine. — Reel.

Turns 58 Cor. + 2 Depth 60

Shoal or lead 25 fms.

Bottom Bu. m.

Bottom temperature —

No. of thermometer Cor.

Corrected temperature —

Air 47 Surface 44 Drift —

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
6 66	6 15	0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

54° 56' 15" - 159° 01'

507.

No. 1156 N.Y. Date June 19-1893

Machine. — Reel.

Turns 47 Cor. + 1 Depth 48

Shot or lead 25 lbs

Bottom any dk. S. & P.

Bottom temperature —

No. of thermometer — Cor. —

Corrected temperature —

Air 46 Surface 43 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
500		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

54° 56' 30" - 159° 05' 20"

No. 7.

No. 3247 Hyd Date June 19 - 1893
Dinner Machine. Reel.

Turns 40. Cor. + Depth 41

Shot or lead 25 lbs.

Bottom gy. S. sky.

Bottom temperature —

No. of thermometer — Cor. —

Corrected temperature —

Air 46 Surface 43 Drift —

Trawl or dredge —

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
8-28-60	8-30-61	0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

54° 56' 45" - 159° 09'

No. 3248 Tty C Date June 19-1893 -
 Danner Machine Reel.

Turns 35 Cor. + Depth 36

Shot or lead 25 lbs.

Bottom qy. S.

Bottom temperature —

No. of thermometer — Cor.

Corrected temperature —

Air 46 Surface 43 Drift —

Trawl or dredge —

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
8-45-00	8-49-00	0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

54° 57' 40" - 159° 11'

No. 249 Hy. Date June 19, 1893.
Danner Machine. — Reel.

Turns 37 Cor. + 1 Depth 38 fms.

Shot or lead 25 lbs.

Bottom guy S.

Bottom temperature —

No. of thermometer — Cor. —

Corrected temperature —

Air 46 Surface 43 Drift —

Trawl or dredge —

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
9-01-02	9-05-00	0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

54° 58' 45" - 159° 13' 45"

No. 3250 Hg. Date June 19th 1893.
 Tanner Machine. — Reel.

Turns 32 Cor. + 1 Depth 33 fms.

Shot or lead 25 lbs.

Bottom S. brk. Sh.

Bottom temperature —

No. of thermometer — Cor. —

Corrected temperature —

Air 46 Surface 43 Drift —

Trawl or dredge —

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
9-16-93	7-20-93	0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

55° 01' 30" - 159° 16' 30"

607.

No. 3251 Hyg. Date June 19th 1893.
Tanner Machine Reel.

Turns 26 Cor. + 1 Depth 27 fms.

Shot or lead 25 lbs.

Bottom off S.

Bottom temperature —

No. of thermometer — Cor. —

Corrected temperature —

Air 46 Surface 4.3 Drift —

Trawl or dredge —

SOUNDING WIRE.	DOWN.	UP.	TURNS.	DREDGE ROPE.	
				DOWN.	UP.
9-52-00	9-55-00		0		
			100		
			200		
			300		
			400		
			500		
			600		
			700		
			800		
			900		
			1000		
			1100		
			1200		
			1300		
			1400		
			1500		
			1600		
			1700		
			1800		
			1900		
			2000		
			2100		
			2200		
			2300		
			2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 55° 02' 15" - 159° 19' 08"

No. 3252 Big 4 Date Nov. 11th 1873
Tanner Machine. - Reel.

Turns 17 Cor. + Depth 17 fms.

Shot or lead 25 lbs.

Bottom fra. gy. S.

Bottom temperature

No. of thermometer — Cor.

Corrected temperature —

Air 46 Surface 43 Drift —

Trawl or dredge ✓

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10-14-00	10-17-00	0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

54° 04' N, 167° 55' W

607.

No. 225-3 H. S. Date June 27 93
Tanner Machine. Reel.

Turns 17 Cor. + 1 Depth 48

Shot on lead 25 lbs

Bottom 5 + 6,

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 48 Surface 46 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
1058	7.00	0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25		:		
50		Cor. demand and		
100		adjusted with the		
200		standard thermometer		
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

New York 1916

Correction for Trawl
Date 27-10-1913.

No.

Machine. Reel.

Turns Cor. + Depth

Shot or lead

Bottom

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

SOUNDING WIRE.	Turns.	TURNS.	DREDGE ROPE. C. DOWN. T. UP.
25.	25.	0	0.
50.	550.	100	0.
75.	75.	200	0.
100.	1100.	300	11.
25.	1126.	400	11.
50.	151.	500	11.
75.	177.	600	12.
200.	202.	700	12.
25.	222.	800	13.
50.	253.	900	13.
75.	277.	1000	13.
300.	284.	1100	14.
25.	329.	1200	14.
50.	355.	1300	15.
75.	388.	1400	15.
400.	460.	1500	16.
25.	4632.	1600	17.
50.	4668.	1700	18.
75.	4684.	1800	19.
500.	5160.	1900	110.
25.	5736.	2000	11.
50.	5652.	2100	12.
75.	5588.	2200	13.
585.	5891.	2300	13.
		2400	

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

51°32' - 175°52'

No. 3254 Hydro Date Aug 1 1893

Tide Machine. Reel. 11 m. +

Turns 645 Cor. + 52 Depth 697-

Shot or lead 30 lbs

Bottom Hard bottom, like sand

Bottom temperature 37

No. of thermometer 66663 Cor. -1.4

Corrected temperature 36.6

Air 43 Surface 48 Drift 218

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
12-3	21-33	0		
14-3	21-3	100		
18	19-05	200		
7-10	11-15	300		
3-7	10-15	400		
7-30	16-35	500		
11-10	15-30	600		
11-10	14-3	645		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25		4820	203	
50		645	151	
100		4175	52	
200			645	
300			697	
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

51° 35' 40" - 176° 41' 00"

No. 3255 Agt Date July 1st 1903.

Tanner Machine. Reel.

Turns 60 Cor. + 2 Depth 62 fms.

Shot or lead 25 lbs.

Bottom crsⁿ S. Sh.

Bottom temperature —

No. of thermometer — Cor. —

Corrected temperature —

Air 47 Surface 48 Drift —

Trawl or dredge —

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
4-24	4-	0		
25. 15	4-25-20	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25		41.20	2.55	
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

51° 35' 40" N. 176° 46' 15" W.

No. 3256 H. J. & Date July 1st 1893
 Tanner Machine. Reel.

Turns 45 Cor. + 1 Depth 416 fms.

Shot or lead 25 lbs.

Bottom Crs. gy. S.

Bottom temperature

No. of thermometer _____ Cor. _____

Corrected temperature

Air 48 Surface 61 Drift _____

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
5-51-10	5-51-08	0		
5-1-30	5-54-07	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

51° 33' S. N. 176° 50' E.

No. 1257 Hyd. Date July 5th, 1893.
Machine. — Reel.

Turns Cor. + 2

Depth 57 fms.

Shot or lead 25 lbs.

Bottom Sh. (hard) —

Bottom temperature —

No. of thermometer — Cor. —

Corrected temperature —

Air 50° Surface 47° Drift —

Trawl or dredge —

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
9-177-84	49	0		
US-3	4	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

51° 32' 00" N. 176° 49' 00" W.

No. 3258 Fly ^d - Date July 3rd 1913.
Tanner Machine. Reel.

Turns 75 Cor. + 3 Depth 7 fms.

Shot or lead 25 lbs -

Bottom gy. S. Sh. -

Bottom temperature

No. of thermometer — Cor. —

Corrected temperature —

Air 50° Surface 71° Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
0-06-30	10-00	0		
08-07	10-08-05	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Pearl River

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Lat. 31° 58' S. Long. 176° 49' W.

No. 2257 Date July 5th 1872
Sight Machine Reel.
Turns 158 Cor. + 14 Depth 172 fms.
Shot or lead 35 lbs.
Bottom gy. S.P.
Bottom temperature 39.8°
No. of thermometer 66663 Cor. -0.4
Corrected temperature 39.4°
Air 52° Surface 47° Drift —

Trawl or dredge —

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11-23-05	20-05	0		
11-23-05	21-05	100		
11-23-05	11-24-15	200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25		4613	203	
50		158	189	
100		4662	14	
200			157	
300			177	
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

51° 24' N. 176° 50' W.

F.H.E

No. 9265 Hy Date July 5th, 1901
 Machine. Reel. Heavy 8^{1/2}
 Turns 3 1/4 Cor. + 3 1/4 Depth 425
 Shot or lead 36 lbs.
 Bottom 9^{1/2} fms Sh.
 Bottom temperature 39
 No. of thermometer 66663 Cor. -0.4
 Corrected temperature 38.6
 Air 52 Surface 425 Drift 5.88^{1/4} m/s (about)
 Trawl or dredge :

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
477	421	0		
2	1	100		
3-5	1/2-1	200		
3-10	11-13	300		
31-25	10-14	400		
67-145	12-611	500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

N 51° 19'
W 175° 39'

No. 3261. Hyd. - Date Jan.
Sounding Machine. Reel. Raving
Turns Cor. + 110 Depth 1600
Shot on load 35 lbs
Bottom 5 ft. S.s. soft. Shn.
Bottom temperature 36° F.
No. of thermometer 66663 Cor. - 0.4
Corrected temperature 35.8
Air 48 Surface 44 Drift —
Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
	241.37	800		
	23.50	900		
	23.50	1000		
	23.50	1100		
	23.50	1200		
	23.50	1300		
	23.50	1400		
	23.50	1500		
	23.50	1510		
	23.50	1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25		4620	20	4710
50		1512	45	1465
100		525	11	464
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Lat. N. 51° 11'
Long. W. 176° 25'

No. 3262 Hyd. - Date July 15
Machine. Reel. Haby #2

Turns 2000 Cor. + 1.50 Depth 2350.

Shot or lead 60 lb.

Bottom 176 fms.

Bottom temperature 37.3

No. of thermometer 66663 Cor. -0.4

Corrected temperature 36.9

Air 52 Surface 44 Drift —

Trawl or dredge —

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11.30.35	58.66	0		
4.40	59.13	100		
5.40	56.13	200		
6.30	55.10	300		
7.38	53.52	400		
8.33	53.50	500		
9.31	53.50	600		
10.38	53.05	700		
11.11	50.56	800		
12.47	49.13	900		
13.53	48.27	1000		
15.06	47.08	1100		
16.18	45.12	1200		
17.28	44.17	1300		
18.41	43.10	1400		
19.58	41.20	1500		
21.19	40.01	1600		
22.15	38.15	1700		
24.08	37.28	1800		
25.32	36.20	1900		
26.54	34.31	2000		
28.26	33.10	2100		
29.55	31.55	(2200)		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25		482.0	1.62	480.4
50		222.2	1.62	220.6
100		243.0	1.62	241.4
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

51° 00' N. 176° 04' W.

No. 3212 11 ft Date Dec. 1 1919

Machine. Reel. 1000

Turns 1905 Cor. + 134 Depth 2431 m.

Shot on lead 60 lbs.

Bottom gy. M. S.

Bottom temperature 37.7

No. of thermometer 6663 Cor. -0.4

Corrected temperature 37.3

Air 52° Surface 44° Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
2-12-00	54-15	0		
13-45	53-10	100		
13-30	52-15	200		
14-15	51-20	300		
15-50	50-20	400		
16-00	49-30	500		
17-00	48-30	600		
18-00	47-30	700		
19-00	46-30	800		
20-00	45-30	900		
21-00	44-35	1000		
22-15	43-40	1100		
23-25	42-45	1200		
24-35	41-45	1300		
25-45	40-45	1400		
26-50	39-35	1500		C. westin 1
27-55	38-35	1600		
28-15	37-00	1700		
29-3	36-45	1800		
30-00	34-30	1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500 ..

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25		493.0	- .5	493.5
50		19.05	.61	19.66
100		1.5	.134	203.9
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

50° 41' N, 175° 30' W.

No. 324 Date
 Machine Reel.
 Turns 3140 Cor. + 18.5 Depth 623
 Shot or lead 60 lbs.
 Bottom gy M. & S
 Bottom temperature 40
 No. of thermometer 166 Cor. - 1.4
 Corrected temperature 39.6
 Air 49 Surface 48 Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
31-40	31-40	0		
		100		
		200		
	7-31	300		
	7-10	400		
		500		
	10	600		
	1-61	700		
31	7-10	800		
31-10	31-10	900		
38-25	38-25	1000		
31-35	31-35	1100		
41-35	41-35	1200		
41-10	117	1300		
41-35	41-35	1400		
41-35	111	1500		
41-10	22-25	1600		
41-45	41-2	1700		
41-35	5	1800		
30-50	5	1900		
32-25	5	2000		
63-55	32-15	2100		
55-30	34-55	2200		
31-10	33-20	2300		
58-53	7-31-40	2400		

111

1-5		2500	
02-11	21-11	2600	
04-32	21-11	2700	
06-21	21-21	2800	
08-15	22-43	2900	
10-20	24-05	3000	
12-30	28-26	3100	
14-45	17-18-20	3200	
		3300	
		3400	
		3500	
		3600	
		3700	
		3800	
		3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25		16020		
50		17162		
100		1680	183	7.7
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

6.2 7.00
7.1 4.45
1471.05°
6.6
242.5°

56° 28' N. 175° 10' W.

No. 3265 Date

Machine. Reel.

Turns 500 Cor. + 197 Depth 4600.2

Shot or lead 60 lbs

Bottom 420 fms

Bottom temperature 35°

No. of thermometer 66663 Cor. - 0.4

Corrected temperature 34.6

Air 50 Surface 49 Drift —

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
0	0	0		
1.15	1.20	100		
1.15	1.23	200		
1.15	1.03	300		
1.15	1.03	400		
1.15	1.02	500		
1.25	1.03	600		
1.2	1.02	700		
1.2	1.02	800		
1.15	0.58	900		
1.20	1.01	1000		
1.20	1.01	1100		
1.20	1.02	1200		
1.20	1.05	1300		
1.20	1.04	1400		
1.15	1.20	1500		
1.18	1.11-1.2	1600		
1.2	1.15	1700		
1.2	1.20-0.8	1800		
1.20	1.19-58.4	1900		
1.20	1.27-57.2	2000		
1.20	1.20	2100		
1.20	1.22-54.3	2200		
1.23	1.15-53.17	2300		
1.20	1.15-51.52	2400		
1.20	1.29		O. Log. 01.1	
1.20	1.53-58		Distances in miles between stations	
	11-50.23			

1.22	1.31	2500
1.28	1.37	2600
1.36	1.42	2700
1.27	1.38	2800
1.26	1.33	2900
1.31	1.38	3000
1.31	1.41	3100
1.43 8.10	1.45 37.33	3200
1.42 7.02	1.44 35.0	3300
1.40 11.32	1.41 33.	3400
1.41 12.1	1.42 32.	3500
1.32 13.13	1.34 31.	3600
1.03 17.13	2.04 25.26	3700
2.03	2.13 31.0	3800
		3900
		4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS

102 11.3 112.3 15

110.1 5.4 35.7 12.1 45.8 10

100.5 5.5 30.0 10.5 56.3 5

8.5

50° 16' 28. 174° 51' 77.

607.

No.

Date

July 7 1893

Machine.

Reel.

Turns

Cor. +

(8)

Depth

31 fms.

Shot or lead 60 lbs.

Bottom

Bottom temperature

No. of thermometer 6.6 6.6 6.3 Cor. —

Corrected temperature

Air . . . 58° Surface 48° Drift . . .

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
44-44	57-10	0		
44-44	57-10	100		
44-44	57-15	200		
44-44	57-20	300		
47-50	57-25	400		
47-50	57-35	500		
47-50	57-40	600		
47-50	57-45	700		
51-45	57-50	800		
51-45	57-55	900		
52-45	57-60	1000		
53-55	57-70	1100		
54-55	57-80	1200		
54-55	57-90	1300		
57-15	57-90	1400		
58-35	57-95	1500		
59-40	57-100	1600		
3-27-50	57-100	1700		
62-85	57-100	1800		
63-20	57-100	1900		
64-35	57-15	2000		
65-50	57-15	2100		
67-15	57-15	2200		
68-30	57-15	2300	✓ log w.	
71-00	57-20	2400		

3. 11-15	28-30	2500
12-15	29-15	2600
14-15	26-50	2700
15-10	23-15	2800
17-10	23-20	2900
18-60	21-70 00	3000
	21-15	3100
		3200
		3300
		3400
		3500
		3600
		3700
		3800
		3900
		4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Lat. 50° 03' N. Long. 174° 30' W.

No. 200000 Date Oct 1900

Dredge Machine Reel Heavy 1

Turns Cor. + Depth 2800 ft

Shot instead 60 lbs.

Bottom 94.02

Bottom temperature 50

No. of thermometer 37 Cor.

Corrected temperature 3.810

Air 50 Surface 49 Drift

Trawl or dredge

SOUNDING WIRE,		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
33-35		0		
33-50		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
33-10		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Lost a specimen cup and 65th shot just before starting.
Work on new ones.

128 Cont'd Net Log

No. Date
Lipsey Machine Reel. Name
Turns Cor. + Depth
Shot or lead 60 lbs
Bottom —
Bottom temperature —
No. of thermometer 61752 Cor. —
Corrected temperature —
Air Surface Drift
Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
48		1100		
14.1		1200		
16.38		1300		
21.13		1400		
30.34		1500		
31.52		1600		
41.31		1700		
42.17		1800		
43.43		1900		
45.01		2000		
46.51		2100		
47.41		2200		
47.11		2300		
		2400		

12.51.58		2500	
53.26		2600	
54.55		2700	
55.28		2800	
55.01		2900	
39.32		3000	
101.13		3100	
02.57		3200	
24.06.		329. ¹	
		3300	
		3400	
		3500	
		3600	
		3700	
		3800	
		3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25		115	-16	
50		156		
100		156	184	
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

The float, and (Int 347)
for. 1000, N. & Z. thermom.
#61752, and Siphon 1000
etc.

Fixed up red again from
plan on S. & Z. bottom

S.P.B. 50° 31' N.
R.G.T. Cord 7 11° 54' W.

No. 3268 Hyps. Date July 7 1913
Signature Machine. 2 Reel. Many.

Turns 3480 Cor. + 187 Depth 3667 fms.
Shot or load 60 lbs.

Bottom Hard bottom -

Bottom temperature —

No. of thermometer — Cor. —

Corrected temperature —

Air 53° Surface 49° Drift

Trawl or dredge —

SOUNDING WIRE,		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11. 12	41-52-00	0		
11. 12	50-40	100		
	50-00	200		
	49-20	300		
	48-20	400		
	47-50	500		
	47-05	600		
	46-10	700		
	45-30	800		
	44-35	900		
11. 13	43-10	1000		
11. 14	42-45	1100		
	41-45	1200		
11. 14	40-45	1300		
11. 14	39-40	1400		
11. 14	38-35	1500		
11. 15	37-30	1600		
11. 15	36-20	1700		
11. 15	35-10	1800		
11. 16	34-00	1900		
11. 16	32-45	2000		
11. 16	31-45	2100		
11. 17	30-30	2200		
11. 17	29-15	2300		
11. 17	28-00	2400	✓ deg m.	

(P. 771)

3.	1-26-30	2500	
	25-50	2600	
4.	23-30	2700	
	22-00	2800	
	20-30	2900	
4-01-30	19-15	3000	
03-15	17-30	3100	
05-00	16-00	3200	
06-45	14-30	3300	
08-30	12-00	3400	
10-00	11-11-11	3418° 3500	
		3600	
		3700	
		3800	
		3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25		4.170	1.92	3.66°
50		3.483	1.2	1.87
100		1.510	1.87	2.66°
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Barley bottom; nothing but clean sand in surface; lower end of it dented

50° 57' N. 173° 06' W.

No. 32-69 11/4 Date 93

~~Machine~~ Machine. & Reel. Heavy

Turns 3605 Cor. + 189 Depth 3794

Shot or lead 60 lbs

Bottom on Oz. S.

Bottom temperature 6

No. of thermometer — Cor.

Corrected temperature —

Air 49 Surface 48 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
50-50	50-50	0		
51	51	100		
52-50	52-50	200		
53-50	53-50	300		
54-50	54-50	400		
	54-40	500		
55-50	55-50	600		
56-50	56-50	700		
57-50	57-50	800		
58-50	58-50	900		
59-50	59-50	1000		
60-50	60-50	1100		
61-50	61-50	1200		
62-50	62-50	1300		
63-50	63-50	1400		
64-50	64-50	1500		
65-50	65-50	1600		
66-50	66-50	1700		
67-50	67-50	1800		
68-50	68-50	1900		
69-50	69-50	2000		
70-50	70-50	2100		
71-50	71-50	2200		
72-50	72-50	2300		
73-50	73-50	2400		

10-12-40	11-12	2500	
33-35	12	2600	
37-39	10-11	2700	
38-40	13-15	2800	
41-43	17-20	2900	
42-43	15-17	3000	
42-43	16-17	3100	
45-47	12-13	3200	
47-49	11-12-13	3300	
49-51	5-7	3400	
51-53	6-7-10	3500	
53-55	10-12-15	3600	
		3700	
		3800	
		3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25		147-40		
50		3665		
100		1185		
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

51° 23' N. 177° 18' W.

No. 5270 Hyd. Date July 8/93
Machine Reel.

Turns 2172 Cor. + 177 Depth 930

Shot or lead 60 lbs

Bottom ~~100 fms~~ S.

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 50 Surface 49 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
AM DOWN.	UP.		DOWN.	UP.
3. 45	46.57	0		
4. 45	46.23	100		
	46.31	200		
5. 7	43.83	300		
5. 67	42.40	400		
5. 67	41.72	500		
	41.77	600		
	39.53	700		
5. 67	38.47	800		
5. 67	37.41	900		
5. 12		1000		
5. 37	35.43	1100		
	35.37	1200		
5. 22	32.35	1300		
	31.12	1400		
5. 22	29.50	1500		
5. 22		1600		
5. 22	27.13	1700		
5. 22	25.48	1800		
5. 22	24.30	1900		
5. 22	23.12	2000		
5. 22	21.63	2100		
5. 22	20.57	2173		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507. 1° 30' N. 171° 38' E.

No. 82-71 Hyd Date
 Machine. 2 Reel. Plan.
 Turns 1239 Cor. + 9.1 Depth 1330 fme-
 Shot or lead —
 Bottom fne. bk. S.
 Bottom temperature —
 No. of thermometer — Cor.
 Corrected temperature —
 Air 49 Surface 48 Drift —
 Trawl or dredge —

SOUNDING WIRE		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
12-30	25-50	0		
03-20	26-50	100	full speed	9.9
04-15	26-20	200		
05-15	25-45	300		
06-10	25-10	400		
07-10	24-20	500		
08-10	23-30	600		
09-15	22-40	700		
10-15	21-45	800		
11-20	20-50	900		
12-30	19-55	1000		
13-45	19-00	1100		
14-30	17-50	1200		
15-30	9-17-15	1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25		4790	1237	1237
50		1239	108	91
100		3.551	91	7.520
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

52° 06' N. 171° 45' W.

No. 3480 Date July 8th 1913
 Sinker Machine. 2 Reel. Drift.

Turns 262 Cor. + 21 Depth 283 fms.
 Shot or lead 35 lbs.

Bottom Fr. S. Co., Thy.

Bottom temperature —

No. of thermometer — — Cor. —

Corrected temperature —

Air 50° Surface 47° Drift —

Trawl or dredge Farnie B. 100

SOUNDING WIRE.		TURNS.	DREDGE ROPE	
DOWN.	UP.		DOWN.	UP.
11-02-30	17-30	0	11-11-00	11-11-00
03-45	14-45	100	17-30	14-45
04-40	12-00	200	21-00	11-55
05-15	11-10-30	300	—	11-01-45
		400	40-50	11-14-50
		500	44-00	11-54-00
Set at sea bottom		600		
13 minutes.		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25		4790	199	262
50		262	178	
100		4528	21	282
200				
300				
400				
500				
600				
700		Cut 888 264 turns wire = 285 fms.		
800				
900				
1000				

REMARKS:

At 262 fms. wire jumped reel -
bottom same time.

Large brown living coral, 3 sp.
Sponges, hydroids, 2 sp. red faceted
3 sp., few calcareous 1 alcyonarian
fishes, 2 scyphians, 3 carangidae,
two small viv. merens, 2 Astrophyton
1 basket in all.

July 14, 52° 15' S. 171° 40' W.

No. 1451 Dr. Date July 14, 1903
 Machine. = Reel.
 Turns 230 Cor. + 18 Depth 245 f.
 Shot or lead 35 f.
 Bottom the S. G.
 Bottom temperature —
 No. of thermometer — Cor.
 Corrected temperature —
 Air 57 Surface 48 Drift —
 Trawl or dredge 8 min. 2 f.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
21-30	36-51	0	1-46-30	5-10
21-30	35-15	100	46-30	25-20
31-30	36-15	200	47-30	1-10
31-50	1-52-30	300	53-10	5
		400	53	19-1
		500	01-20	08-5
		530	02-20	2-66-4
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		17
		2000		15
		2100		12
		2200		11
		2300		10
		2400		9

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25		4526	173	261
50		249	160	251
100		427	15	240
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Dredge loaded with volcanic sand
and gravel.
9 small shells - 2 spf.
2 worms.

No. 3272 N.Y. 171°40' W.

No. 3272 N.Y. Date 10/13

Machine. Reel.

Turns 242 Cor. + 8 Depth 250

Shot or lead 26 lbs

Bottom rocky

Bottom temperature —

No. of thermometer — Cor.

Corrected temperature —

Air 48 Surface 44 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
400	400	100		
400	400	200		
400	400	300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200)
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

188 N 52° 31'
W 171° 42'

No. 3273 Hyd. Date July 8/93
Canner Machine Reel.

Turns 3/10 Cor. + 10

Depth 320

Shot or lead 26 lbs

Bottom 100 fms

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air 47

Surface 41

Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
58.58	58.58	0		
59.03	59.03	100		
58.13	58.13	200		
	55.0.13	300		
59.22	47.59.45	400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25		286	12	56.0
50			3	
100			2	
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 116 Date July 5

Machine. Reel. King

Turns 89 Cor. + 8 Depth 90

Shot or lead 35 lbs

Bottom 0° & dil. S.

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 46 Surface 41 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
5.44.25	6.47.18	340		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

52° 54' N

JKH.

No. 3275 Date July 8/93
 Machine. Reel. Harry #2
 Turns 343 Cor. + 26 Depth 369 fms
 Shot or lead 35 lbs

Bottom fine silt

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 45 Surface 48 Drift —

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		343		
8-00-10	8-04-	400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25		2526	178	55.3
50		343	135	
100		4183	26	36.9
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Lat. 55° 04' N., Long. 170° 11' W.

No. 3276 May 1 Date

Sight Machine #2 Reel. Name:

Turns 1454 Cor. + 100 Depth 1554 fms.

Shot or lead 35 lbs.

Bottom gr. M. S.

Bottom temperature —

No. of thermometer — Cor. —

Corrected temperature —

Air 49 Surface 46 Drift —

Trawl or dredge —

SOUNDING WIRE		TURNS.	DREDGE ROPE	
DOWN.	UP.		DOWN.	UP.
11-06-11	11-53-00	0	full speed 11:55	
11-56	51-30	100		
07-55	50-45	200		
09-00	49-55	300		
10-10	48-00	400		
11-12	48-00	500		
12-40	47-00	600		
14-00	45-45	700		
21-40	44-30	800	-770	Wire jumped
23-30	43-00	900	rel.	
25-00	41-30	1000		
26-45	40-50	1100		
28-45	38-30	1200		
30-45	37-15	1300		
32-30	36-00	1400		
33-15	35-20	1454		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25		4.526	178	1454
50		14.54	78	100
100		307.2	100	1554
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Brought what back -

No. 3277 by Date 10/10/20
 Machine Reel.
 Turns Cor. + 104 Depth 16' 46 ft.
 Shot or lead 35 lbs.
 Bottom gr. M.
 Bottom temperature —
 No. of thermometer — Cor. —
 Corrected temperature —
 Air 10 Surface 47 Drift 2 fm ENE.
 Trawl or dredge —

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
2-57-00	3-52-30	100	2-57-00	3-52-30
58-20	51-10	100		
3-01-15	50-20	200		
	49-30	300		
05-15	48-35	400		
07-00	47-35	500		
07-15	46-45	600		
11-00	45-45	700		
12-40	44-45	800		
14-15	43-30	900		
16-15	42-15	1000		
16-10	41-00	1100		
20-00	39-45	1200		
	38-15	1300		
	36-45	1400		
25-45	35-20	1500		
26-15	3-35-00	1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25		4526	178	1522
50		1522	-74	+164
100		3004	104	1626
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Spent 9 minutes in vain
attempt to detect what-

Lat. $56^{\circ} 06' N.$, Long. $169^{\circ} 58' W.$

No. 3278 Hydro Date July 9, 1893

Machine. 2 Reel. 11 min.

Turns 63 Cor. + 5 Depth 68'

Shot or lead 36 lbs

Bottom gray sand

Bottom temperature

No. of thermometer — Cor.

Corrected temperature —

Air 48 Surface 47 Drift —

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
0	0	0		
50	50	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25		6		
50		6.3	173	
100		6.3	6	
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

56° 16' N. 109° 57' W.

No. 3274 Date

Canner Machine. Reel.

Turns Cor. + Depth

Shot or lead 36 lbs

Bottom gy S & bK Speeds

Bottom temperature —

No. of thermometer - Cor.

Corrected temperature

Air 48 Surface 47 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
300	300	0		
400	400	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25		525	13	69
50		69	10	3
100		516	3	72
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

56° 35' N. 169° 55' W.

No. 3280 Hyd Date July 9/93
Tanner Machine Reel.

Turns 50 Cor. + 2 Depth 52

Shot or lead 36 lbs.

Bottom 10 fms. S.

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 48 Surface 47 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
9.46.30	9.48.30	(50)		
·47.02	9.47.50	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

O. 400 2.5:1

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25		585	13	50
50		50	11	2
100		535	2	52
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

5° 18' N. 169° 38' W.

No. 3281 Hyd. — Date July 12th 1893.
 Tanner Machine. — Reel.

Turns 34 Cor. + 1 Depth 35 fms.

Shot or lead 25 lbs.

Bottom gy. S. Sh.

Bottom temperature —

No. of thermometer — Cor. —

Corrected temperature —

Air 42° Surface 42° Drift —

Trawl or dredge —

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
4-20-00	4-22-00	0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		